

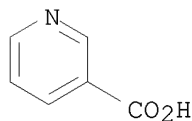
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 84070-03-1/rn
2 84070-03-1
0 84070-03-1D
L23 2 84070-03-1/RN
(84070-03-1 (NOTL) 84070-03-1D)

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L23 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:281668 CAPLUS
DOCUMENT NUMBER: 142:349099
TITLE: Method for treating occlusive vascular diseases &
wound healing using proangiogenic nicotine compounds
and nicotine polymers
INVENTOR(S): Mousa, Shaker; Mousa, Sarah
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 20050069518	A1	20050331	US 2004-776383	20040211
PRIORITY APPLN. INFO.:				US 2003-446568P	P 20030212
AB	Disclosed are methods of treating subjects having conditions related to angiogenesis including administering an effective amount of a polymeric form of Nicotine, nicotinic acid analogs thereof, their combination with or without other pro-angiogenesis factors, vasodilator, or other therapeutic modalities to promote angiogenesis in the subject. This composition and combination thereof is applicable to improving wound healing, erectile dysfunction, improving collateral or blood supply in patients with myocardial infarction, stroke, peripheral artery diseases, and other vascular disorders as disclosed. Nicotinic acid conjugated through an ester linkage with polyvinyl alc. gave proangiogenic effect in chorioallantoic membrane model of angiogenesis.				
IT	84070-03-1 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (angiogenesis promotion by; proangiogenic nicotine compds. and nicotine polymers for treating occlusive vascular diseases & wound healing)				
RN	84070-03-1 CAPLUS				
CN	Ethenol, homopolymer, 3-pyridinecarboxylate (9CI) (CA INDEX NAME)				
CM	1				
CRN	59-67-6				
CMF	C6 H5 N O2				

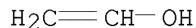


CM 2

CRN 9002-89-5
CMF (C2 H4 O)x
CCI PMS

CM 3

CRN 557-75-5
CMF C2 H4 O



L23 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1983:35074 CAPLUS
DOCUMENT NUMBER: 98:35074
ORIGINAL REFERENCE NO.: 98:5499a,5502a
TITLE: Synthesis of poly(vinyl nicotinate)
AUTHOR(S): Korshak, V. V.; Shtil'man, M. I.; Yaroshenko, I. V.
CORPORATE SOURCE: Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i
Khimicheskaya Tekhnologiya (1982), 25(8), 984-7
CODEN: IVUKAR; ISSN: 0579-2991
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Poly(vinyl alc.) (I) was esterified to different degrees with nicotinoyl chloride hydrochloride (II) in AcNMe₂ to obtain the title polymer (III) [84070-03-1] as a corn growth stimulator. The degree of esterification went through a maximum as the reaction temperature and reagent concentration reached .apprx.95° and .apprx.0.45 M, resp., at I/II mol ratio 1:1. The solubility, swelling, softening point, and crystallinity of III were characterized as functions of the degree (38-51%) of acylation.

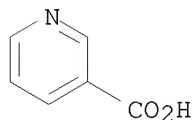
IT 84070-03-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, for corn growth stimulators)

RN 84070-03-1 CAPLUS

CN Ethenol, homopolymer, 3-pyridinecarboxylate (9CI) (CA INDEX NAME)

CM 1

CRN 59-67-6
CMF C6 H5 N O2



CM 2

CRN 9002-89-5
CMF (C2 H4 O)x
CCI PMS

CM 3

CRN 557-75-5

CMF C2 H4 O

